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ATTY. DOCKET NO. 0192-PA APPLICATION NO. To be assigned FORM PTO-1449 APPLICANTS KRAINER et al. INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE To be assigned U.S. PATENT DOCUMENTS EXAMINER CLASS SUB-CLASS FILING DATE DOCUMENT NUMBERDATE NAME INITIAL Dec. 28, 1976 Baldyga 260 23 June 4, 1971 AA1 4,000,100 Aug. 9, 1977 260 23 Mar. 9, 1976 AB1 Van Vonno 4,040,996 5,240,623 252 35 Mar. 11, 199 AC1 Aug. 31, 1993 Fay et al. May 21, 1996 Drewes et al. 524 114 Apr. 10, 199 AD1 5,519,077 199 Aug. 6, 1996 524 114 Apr. 10, AE1 5,543,449 Drewes et al. 524 100 Jun. 30. 199 AF1 6,194,494 Feb. 27, 2001 Wehner et al. 522 187 Sep. 1, 2000 Feb. 19, 2002 Wang et al. 6,348,517 FOREIGN PATENT DOCUMENTS EXAMINER SUB-CLAS\$ TRANSLATION COUNTRY CLASS INITIAL DOCUMENT NUMBERDATE Mar. 18, 1960 1211814 FR JР 54103461 Aug. 14, 1979 July 3, 1986 3545476 DE Yes 246381 Oct. 16, 1986 CS No AL1 OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Shlensky, Behavior of the parameters of the thermal surface decomposition of polymers near the temperature boundary of thermodynamic stability, Mendeleev University of Chemical Tech., 47(3), pages 176-180, 2002 (abstract). Kolesov et al., Stabilization of poly(vinylchloride) with binary mixtures of stabilizers, Kozhevenno-Obuvnaya Promyshlennost (7), pages 44-45, 1983 (abstract). Lee et al., Thermal stabilization of PVC in on-toxic stabilizer systems, Pollimo 19(5), pages 543-50, 1995 (abstract). Kim et al., Thermal stabilization of PVC in non-toxic stabilizer systems, AR 1 Pollimo 18(6), pages 1021-1029, 1994 (abstract). DATE CONSIDERED EXAMINER

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citation if not in conformance and not considered. Include copy of this form with next communication to Art

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	AL1	93/2	24563	Dec. 9, 1993	WO				Yes No
			OTHER (Incl	uding Author,	Title, Date, Pertinen	t Pages,	etc.)		
			Handbook c (August, 1		ting, E.J. Wickson, Jo	ohn Wiley	& Son	s, Inc., p	ages 393-429,
			Plastics A	dditives Hand	book, R., Gachter, pag	ges 390-4	22, (J	anuary, 19	90).
			Ullmann's pages 361-	Encyclopedia 374, (1985).	of Industriel Chemistr	τ γ , 5 th Ed	lition,	Vol. Al6,	
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	1	1	18249 A2	June 20, 2002					
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		2169	9298 A	July 9, 1986	UK				
		1151	1108	May 7, 1969	UK				Yes
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	1	•	OTHER (Incl	uding Author,	Title, Date, Pertinen	t Pages,	etc.)		
			Plastics A	Additives, Gac	hter, 3 rd Edition, Chap	oters 5.9	.6, pa	ges 525-59	1, (1989).
			PVC Techno	ology, Titow,	4 th Edition, Elsevier I	Publ., pa	ges 16	5-170, (19	84).
			Kunststoff Carl Hansw	handbuch PVS, ver Verlag., p	Vol. 2/2, Becker, 2 nd ages 1236-1277.	Edition,	(July	, 1983),	
	AR		Bacaloglu	et al., J. Vi	nyl Additive Technol.,	5:205-2	17, Maı	rch, 1999.	
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		94/24200	Oct. 27, 1994				-		
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